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DDS&T-2973-81  
2 July 1981

25X1 MEMORANDUM FOR: [REDACTED]  
Chief, Building Planning Staff

25X1 FROM: [REDACTED]  
DDS&T Member, Building Planning Committee

SUBJECT: Planning Data for New Building

25X1 1. This memorandum responds to your request for data  
pertaining to potential DDS&T use of a new building on  
the Headquarters compound. The DDS&T wholeheartedly supports  
the concept of a new building. After the new [REDACTED] 25X1  
is occupied this year we will be using over [REDACTED] 25X1  
buildings in Northern Virginia and the District of Columbia  
with less than two percent of our total floor space in the  
Headquarters building. Attachment A is a tabular summary  
of buildings in the Washington Metropolitan Area occupied  
by the seven offices in the Directorate. I have excluded  
[REDACTED] 25X1  
from the list since operational considerations would  
prohibit a relocation to Langley. The table shows those elements  
which could and those which could not relocate, the floor  
area represented based on 1981 occupancy and the projected  
numbers of people in these elements for 1987 and 2000.  
Attachment B presents, for each office, some of the special  
requirements for the components that could relocate. Other  
factors that should be considered are discussed in the following  
paragraphs. [REDACTED] 25X1

25X1 STAT

25X1 3. There are significant parts of NPIC and tenant  
organizations in [REDACTED] that could move from the stand-  
point of administration and organization. However, the capital  
investment in this building, the planned expansion and NPIC's  
role in Community support preclude any realistic consideration  
of relocation in the foreseeable future. 25X1

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SUBJECT: Planning Data for New Building

25X1 4. ORD has a personnel ceiling in 1981 of [ ] As many  
25X1 as [ ] work stations must be supported at any given time,  
25X1 however, to accommodate people from other components. Many  
25X1 of these are people from NFAC who spend up to two years at  
25X1 ORD on project-related assignments. The ORD personnel totals  
25X1 in Attachment A represent only ORD's organization. Actual

25X9

25X1 5. In the case of OTS, allowance was made for an  
25X1 additional 3,000 square feet that were recently requested at  
25X1 the [ ]  
25X1 nor to a small facility at the [ ]  
25X1 The OTS facilities at [ ] are still under  
25X1 consideration although our initial analysis has resulted in  
25X1 a tentative conclusion that these should not be relocated.  
25X1 These areas house heavy and specialized shop equipment and  
25X1 unique laboratory facilities. [ ] also provides  
25X1 cover arrangements important to OTS' mission. We are taking  
25X1 another look at these areas to see if any part of the activities  
25X1 carried on there could move to the Headquarters compound. [ ]

25X1

25X1

25X1

25X1

25X1 6. ODE and OSO are preparing to move this year to the  
25X1 new [ ] The data in Attachment A  
25X1 reflects the space they expect to occupy at [ ] after  
25X1 that move is completed. The Special Collection Service in  
25X1 [ ] is not included. [ ]

25X1

25X1

25X1

Attachments:  
As stated

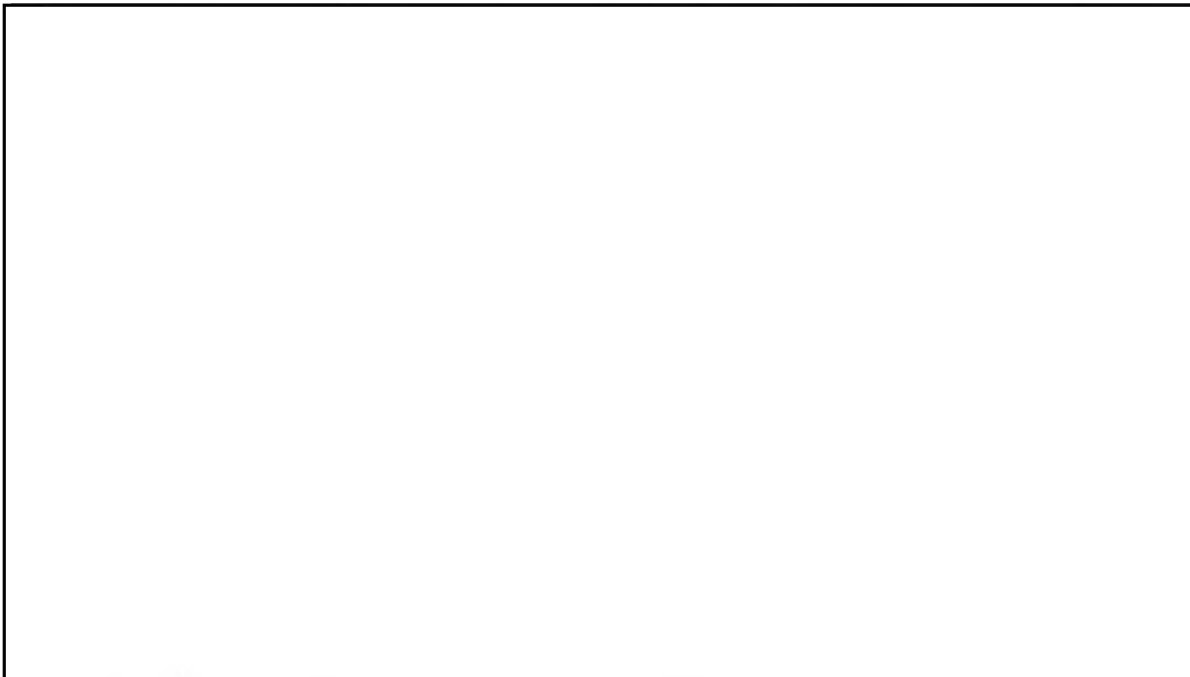
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ATTACHMENT B

MACHINE SUPPORT AND SPECIAL REQUIREMENTS  
1987 - 2000O/DDS&T

O/DDS&T currently has 7 ADP terminals, 1 word processor, 1 copier and a graphics shop. In the 1987-2000 time period it is estimated that we will grow to at least 11 terminals and 3 dual station word processors and printers. Added power and environmental control will be required by a larger copier plus automated and color graphics. Communications requirements will include a need for electronic mail and teleconferencing.



ground floor area for heavy printing equipment. Associated with this are a fume removal system, special insulation for noise abatement, 10 200 volt power lines and a loading dock. Also required are 2000 square feet for computer and communications equipment, 4250 square feet for laboratories, training, workshop, conference room and vaulted areas, and provision for rooftop antennas, including a 10 meter dish antenna.

NPIC

N/A

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The following special equipment is expected to be in use by ODE for the years indicated:

<u>Equipment</u>	<u>Year 1987</u>	<u>Year 2000</u>
STD CRT Terminals	23	*
Color Graphics Terminals	4	*
Minicomputers	4	*
Word Processors	13	*
On-Line Printer	2	*

\*We would expect that by 1987, and certainly by the year 2000, ODE and the Agency will have made significant progress toward the era of the paperless office. Based upon equipment already commercially available, we can expect that ODE will have an integrated data/word processing system. Providing for intra- and inter-component electronic mail, word processing with CRT display, and data processing and file maintenance, the system will probably require at least one terminal at each work station and a number of processor main frames, minicomputers, and on-line printers. However, the exact hardware configurations and the types and numbers of equipment are as yet unknown. We know of no unique support systems that would be required for this system; however, we can anticipate that our floor space requirements will increase to about 100,000 square feet to accommodate both the equipment and the estimated increased staffing.

ORD

ORD will require a network of six to 10 minicomputers and associated peripherals; environmentally controlled 10,000 square feet screened area for special computer lab; 50-person conference room, shielded and vaulted with computer display equipment; terminals available with electronic mail delivery and computer conference capabilities for all personnel. The data communications terminals must have a bandwidth of at least 9600 BAUD and be secure.

OSO

Estimated machine requirements for components now in Headquarters, [ ] and those scheduled to move to [ ] include:

	<u>1987</u>	<u>2000</u>
Terminals	50	75
Processors	25	50
Special Purpose Centers	2	2

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The Systems Support Center (SSC) at [ ] expects to have 6 minicomputers, 6 microprocessors and 22 terminals in use in 1987 and, by the year 2000, we project around 15 microprocessors and 30 terminals. SSC also requires special areas for system fabrication and training, enclosed space for assembly and testing of mobile equipment and both indoor and outdoor antenna testing facilities.

While technology will no doubt change before the year 2000, we believe the demands for floor loading, power, and environmental control will not change to any appreciable extent.

### OTS

By 1987 OTS estimates it will have 30 computer terminals and 50 word processors; by the year 2000, 150 computer terminals and 200 word processors. With the advances being made in computer and word processing technology and the advent of such programs as AIM, SAFE and CRAFT, OTS envisions a paperless office in at least a limited configuration by 1987 and a totally paperless office by the year 2000.

+ 1000  
OTS has several areas that require temperature and humidity controls or other special considerations. We presently have 9,000 sq. ft. of lab space plus a 130 sq. ft. shielded vault; a 695 sq. ft. registry/communications center; a 1846 sq. ft. special operations center for which another 1,000 sq. ft. are needed; and a 6,176 sq. ft. press and printing facility. All of these areas require temperature and humidity control and the press and printing facility requires special floor loading. Some of the labs and training areas require gas, air and water facilities.

+ 2800  
+ 3800  
In addition, Graphics and Authentication Division (GAD) has 1,200 sq. ft. of leased warehouse space which is used for paper storage. The paper is stacked on shelves 16 ft. high. If the leased space is given up and the paper moved to the new building, about 5,000 sq. ft. would be required to store the paper in a readily accessible manner (fork lifts are now required to reach the top most shelves). The 5,000 sq. ft. includes 1,000 sq. ft. of space which GAD now has for on hand stock paper. This area would also require temperature and humidity control.

No new technologies are being considered at this time.

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